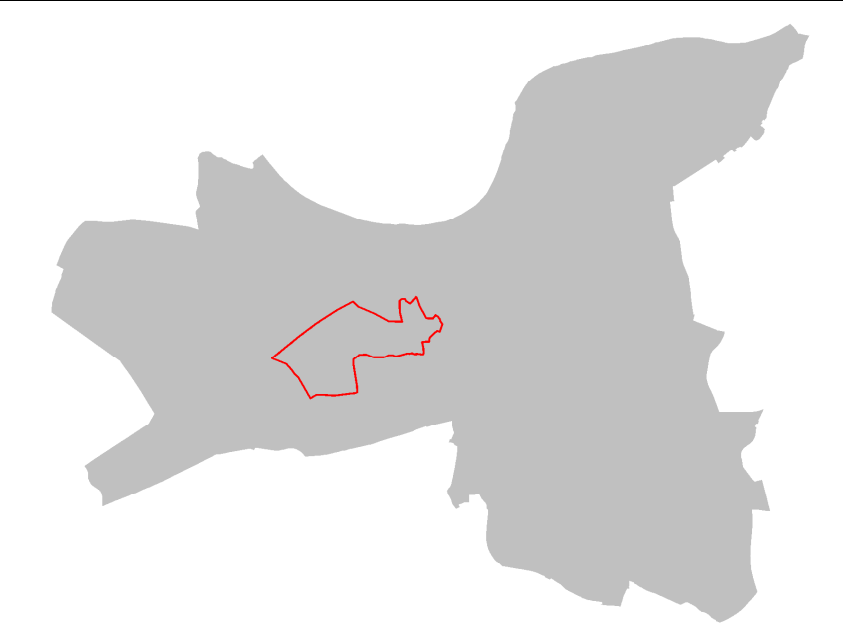


CDA DESCRIPTION

Critical Drainage Area ID:	Group 7_015 (King Georges Park)	London Borough:	Wandsworth	(Lead)
				(Other)
		Description:	Surface water in this CDA generally flows from west to east and ponds in King George's Park. The key flow paths are along Girdwood and Granville Road. The east and south-east of the CDA is located within an iPEG area.	
		Flood Risk Categorisation:	All Sources	
		Property Count:	1,720 residential and 45 non-residential properties	>0.03m
			5 residential properties	>0.5m
		Critical Infrastructure:	<ul style="list-style-type: none"> • Ronald Ross Primary School and Support Centre • St Michael's (CE) School • Sheringdale Primary School • Beaumont Road Electricity Substation 	
		Validation:	<ul style="list-style-type: none"> • There are records of surface water flooding along Gressenhall Road and Girdwood Road following heavy rainfall in July 2007. • There are more than 30 records of sewer flooding within the CDA. • There are no records of groundwater flooding in the CDA. 	
		Local Flood Risk Zones	King Georges Park – King George's Park is predicted to flood to depths of 0.5m during the 1% AEP rainfall event according to pluvial modelling undertaken as part of the SWMP.	
Figures:	Figure 3.8.2a – Surface Water Flood Depth (1% AEP) Figure 3.8.2b – Surface Water Flood Hazard (1% AEP)			

DRAIN LONDON
APPENDIX E - OPTIONS ASSESSMENT
STAGE 1 - MEASURES IDENTIFICATION

Critical Drainage Area ID:		Group 7_015 (King Georges Park)			
	Measure	Opportunity Assessment	Description	Location / Specific Details	Comments
SOURCE	Green Roof		Generic Measure	Throughout CDA	To be identified on site-by-site basis when opportunities arise but likely to be limited opportunity for implementation of measure within the CDA.
	Soakaways		Generic Measure	Throughout CDA	Likely to be limited due to geology. Further investigation is needed to assess the infiltration potential due to geology.
	Swales		Generic Measure	Throughout CDA for new development, possible locations for retrofitting could be in the west of the CDA in the green areas interspersing the residential properties.	Further investigation will be required to determine drainage arrangements and discharge for swales - may be limited due to geology.
	Permeable Paving		Generic Measure	Throughout CDA	Likely to be limited due to geology. Further investigation is needed to assess the infiltration potential due to geology.
	Rainwater Harvesting		Generic Measure. For all new development and retrospectively.	Throughout CDA	To be identified on site-by-site basis.
	Detention Basins		A strategically located detention basin could be constructed to manage the surface water from the upstream catchment of the CDA.	Possible locations for retrofitting could be in the west of the CDA in the green areas interspersing the residential properties.	Likely to have limited space in the CDA for these to be implemented.
	Ponds and Wetlands		A strategically located pond could be constructed to manage the surface water from the upstream catchment of the CDA.	N/A	Likely to have limited space in the CDA for these to be implemented.
	Other 'Source' Measures	N/A			
PATHWAY	Increasing Capacity in Drainage Systems		The existing drainage system capacity could be increased to accommodate storm water	It has been modelled that there is shallow surface water flooding in the majority of the streets in this CDA so an increase in the drainage capacity throughout the CDA would be beneficial.	
	Separation of Foul and Surface Water Sewers		The combined sewers within this CDA could be separated to allow for more capacity.	Throughout CDA	
	Improved Maintenance Regimes		Generic Measure. More regular inspection of the current sewer system to remove debris and improve conveyance.	Throughout CDA	To be identified on site-by-site basis.
	Managing Overland Flows (Online Storage)		A detention basin could be located to manage surface water at the downstream end of catchment.	King Georges Park	This measure is likely to be more achievable in tandem with designating preferential flow paths and/or upgraded drainage system.
	Managing Overland Flows (Preferential Flowpaths)		Streets could be lowered or kerbs raised to create a flow path.	Girdwood Road and Sutherland Road.	Girdwood Road is shown to be a major flow path in this CDA.
	Land Management Practices		N/A	N/A	Not applicable due to CDA being heavily urbanised.
	Deculverting Watercourse(s)		N/A	N/A	The CDA contains no main rivers or ordinary watercourses.
	Other 'Pathway' Measures	N/A			
RECEPTOR	Improved Weather Warning		Dependent on location and storm event duration.	Depending on the timings of the storm event evacuation of these properties could be possible.	This measure is likely to be more effective if couple with community education. Added flood alleviation value could be achieved if this measure was carried in tandem with a property level demountable flood barriers.
	Planning Policies to Influence Development		Generic Measure	Throughout CDA	For all new development.
	Temporary or Demountable Flood Defences		Temporary flood defences for individual properties	Predominantly in properties to the west of the CDA.	This measure is likely to be more effective when used with education and the dissemination of an appropriate flood warning.
	Social Change, Education and Awareness		Generic Measure	Throughout CDA	Will be dependant on engagement opportunities with community. In areas with a large migration of population it will be difficult to undertake / pass on information from one property owner to another.
	Improved Resilience and Resistance Measures		Property level resilience measures	Throughout CDA where necessary	To be identified on site-by-site basis.
	Other 'Receptor' Measures	N/A			

